

Attorney's Docket No.: 06618-406001

**OFFICIAL COMMUNICATION****FACSIMILE****FOR THE PERSONAL ATTENTION OF:****EXAMINER****GROUP 1700 FAX NO: 703-872-9310**

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Applicant : S.R. Narayanan et al.  
Serial No. : 09/489,514  
Filed : January 21, 2000

Art Unit : 1745  
Examiner : J. Mercado

Title : MEMBRANE-ELECTRODE ASSEMBLIES FOR DIRECT METHANOL FUEL CELLS

**FACSIMILE COMMUNICATION**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Attached to this facsimile communication cover sheet is Response to Office Action faxed this 8<sup>th</sup> day of April, 2002, to Group 1745, the United States Patent and Trademark Office.

Respectfully submitted,

*Dorothy P. Whelan*  
Dorothy P. Whelan  
Reg. No. 33,814

Date: April 8, 2002

Fish & Richardson P.C., P.A.  
60 South Sixth Street  
Suite 3300  
Minneapolis, MN 55402  
Telephone: (612) 335-5070  
Fax: (612) 288-9696

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : S.R. Narayanan et al. Art Unit : 1745  
Serial No. : 09/489,514 Examiner : Julian Mercado  
Filed : January 21, 2000  
Title : MEMBRANE-ELECTRODE ASSEMBLIES FOR DIRECT METHANOL FUEL CELLS

VIA FACSIMILE  
Commissioner for Patents  
Washington, D.C. 20231

AMENDMENT

In response to the action mailed December 11, 2001, please amend the application as follows:

In the claims:

Please amend claims 7, 13, 15, 16, and 18-20 as follows:

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*b)* 7. (Amended) A process for making a catalyst ink for a fuel cell, comprising mixing, at room temperature, components comprising water, particles of a fluorocarbon polymer with a particle size of 1 to 4 microns, and a catalytic material.

*b2* 13. (Amended) A process for making an electrode assembly for a fuel cell, comprising:

(a) providing a catalyst ink comprising water, particles of a fluorocarbon polymer with a particle size of 1 to 4 microns, and a catalytic material; and  
(b) applying the catalyst ink at room temperature to at least one side of a substrate.

*b3* 15. (Twice Amended) The process of claim 14, further comprising roughening the side of the membrane prior to applying the catalyst ink.

## CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

April 8, 2002

Date of Transmission

*Diane Wimperis*

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